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Innovative approach to development of oil branch has to be complex

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Abstract

© Copyright 2016.Strong technical progress in studying and development of nonconventional hydrocarbon deposits has a great influence on increase of efficiency of traditional deposits of oil and gas. There is an opportunity to carry out transition from the balance reserve to geological ones accounting and from the concept of the absolute pore space to the effective pore space in questions of calculation of reserves and design of development. The need of innovative approach on the whole chain of studying and development of hydrocarbon reservoirs (laboratory studying of rocks and fluids up to a nanolevel, the petrophysics, geophysical well logging, new ideology of creation of geological and hydrodynamic models, a choice new (including on a nanolevel) technologies after laboratory and mathematical modeling, pilot works in field conditions, innovative design) is substantiated.

Keywords

Dense rocks, Geo-physical well logging, Geological and hydrodynamic models, Hard- To-recover oil reserves, Heavy, Hydrofracturing, Innovative design, Laboratory researches, Methods of oil recovery increase and bottomhole zones processing, Natural bitumens, Nonconventional oil deposits, Oil recovery factor, Old (mature) fields, Shale rock, Super viscous oils